

CONFIDENTIAL  
DECLASSIFIED BY [REDACTED] AGENCY

ABSTRACT OF THE DISCLOSURE

A fuel control system for reheat burners of a gas turbine engine has a plurality of metering valves for respective burners, and throttle valves in series with the respective metering valves. A pressure regulating valve is provided for introducing pressurized fuel into fuel manifolds downstream of the respective throttle valves when the metering and throttle valves are shut. The pressure regulating valve also acts to relieve pressure in low pressure parts of the system when the latter is closed down and to prevent excessive temperature rise at the inlet of a fuel supply pump. The metering valves include pressure return ports which communicate with the metering valve outlets when those valves are shut.

CONFIDENTIAL  
DECLASSIFIED BY [REDACTED] AGENCY